

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A method for managing applications, comprising:
displaying a set of software program applications, said set of software program applications includes at least a first software program application and a second software program application;
changing a display of said first software program application; and
automatically changing a display of said second software program application in response to said changing of said display of said first software program application.
2. (currently amended) A method according to claim 1, wherein:
said step of changing said display of said first software program application includes changing a size of said display of said first software program application; and
said step of changing said display of said second software program application includes changing a position or size of said display of said second software program application.
3. (currently amended) A method according to claim 1, wherein:
said step of changing said display of said first software program application includes changing a position of said display of said first software program application; and
said step of changing said display of said second software program application includes changing a position or size of said display of said second software program application.
4. (currently amended) A method according to claim 1, wherein:
said software program applications each are displayed in a display area that is fixed in size.
5. (currently amended) A method according to claim 1, wherein:
said software program applications include a third software program application; and

said first software program application and said second software program application are displayed within said third software program application.

6. (currently amended) A method according to claim 1, wherein:
said step of changing a display of said first software program application is performed in response to a user dragging a portion of an object.

7. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:
determining an effect of changing said display of said first software program application on said second software program application;
determining whether said effect is allowed; and
changing said display of said second software program application if said effect is allowed.

8. (currently amended) A method according to claim 1, wherein said step of changing a display of said first software program application comprises:
determining whether said changing of said display is allowed.

9. (currently amended) A method according to claim 1, further comprising:
creating user interface items for said set of software program applications;
creating a layout object for a parent software program application;
providing each user interface item with a pointer to call one or more functions if corresponding software program applications change;
providing displays for said user interface items; and
running said corresponding software program applications.

10. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:
determining that a vertical positioning of said display of said first software program application has changed; and

adjusting vertical positioning of siblings to said first software program application in a vertical relationship with said first software program application.

11. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:

determining that a horizontal positioning of said display of said first software program application has changed; and

adjusting horizontal positioning of siblings to said first software program application in a horizontal relationship with said first software program application.

12. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:

determining that a width of said display of said first software program application has changed;

changing a column width of a first display column that includes said display of said first software program application; and

changing widths of displays in said first display column based on said column width of said first display column.

13. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:

determining that a width of said display of said first software program application has changed;

changing a column width of a first display column that includes said display of said first software program application;

changing widths of displays in said first display column based on said column width of said first display column;

changing a column width of a second display column that neighbors said first display column; and

changing widths of displays in said second display column based on said column width of

said second display column.

14. (currently amended) A method according to claim 1, wherein said step of automatically changing said display of said second software program application comprises:

determining that a vertical size of said display of said first software program application has changed;

dividing remaining area among siblings; and

adjusting sizes of siblings based on said step of dividing.

15. (currently amended) A method according to claim 1, wherein:

said first software program application is a member of a group, members of said group have a predefined relationship within said group;

said step of automatically changing said display of said second software program application is performed to maintain said predefined relationship.

16. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

receiving a selection of said first software program application;

enlarging said display of said first software program application and placing said display of said first software program application in a featured location; and

resizing and positioning displays of siblings of said first software program application, including said second software program application, to fit within an existing space based on a predefined relationship.

17. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

determining that said display of said first software program application will overlap with one or more siblings;

determining that displays of said one or more siblings can be resized; and
automatically resizing said displays of said one or more siblings to maintain minimum separation.

18. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

determining that said display of said first software program application will overlap with one or more siblings;

determining that not all displays of said one or more siblings can be resized; and

limiting said resizing of said display of said first software program application so that displays of all overlapping siblings can be resized.

19. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

determining that said display of said first software program application will overlap with one or more siblings;

determining that not all displays of said one or more siblings can be fully resized;

partially resizing displays that cannot be fully resized; and

resizing neighbors to displays that cannot be fully resized.

20. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

removing said display of said first software program application; and

adjusting remaining displays of siblings to said first software program application based on a proportional size.

21. (currently amended) A method according to claim 1, wherein said steps of changing

a display of said first software program application and automatically changing said display of said second software program application comprise:

determining whether said display of said first software program application fits in an existing free space;

determining whether potentially overlapping neighbors for said first software program application can be moved; and

determining whether potentially overlapping neighbors for said first software program application can be resized.

22. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

determining whether said display of said first software program application fits in an existing free space;

determining whether potentially overlapping neighbors for said first software program application can be moved;

automatically moving said potentially overlapping neighbors, including said display for said second software program application; and

adding said display for said first software program application.

23. (currently amended) A method according to claim 1, wherein said steps of changing a display of said first software program application and automatically changing said display of said second software program application comprise:

determining whether said display of said first software program application fits in an existing free space;

determining whether potentially overlapping neighbors for said first software program application can be resized;

resizing said potentially overlapping neighbors, including said display for said second software program application; and

adding said display for said first software program application.

24. (currently amended) A method according to claim 1, wherein:

said step of automatically changing said display of said second software program application includes preventing said display of said first software program application from overlapping with said display of said second software program application.

25. (currently amended) A method according to claim 1, wherein:

said step of automatically changing said display of said second software program application includes determining that said display of said second software program application is below a predetermined size threshold and changing said display of said second software program application into an icon.

26. (currently amended) One or more processor readable storage devices having processor readable code embodied on said processor readable storage devices, said processor readable code for programming one or more processors to perform a method comprising:

displaying a set of interactive applications in a display area, said set of interactive applications includes at least a first interactive application and a second interactive application;

changing a size or position of said first interactive application; and

automatically changing a size or position of said second interactive application in response to said changing of said size or position of said first interactive application so that display of said first interactive application does not conflict with display of said second interactive application.

27. (currently amended) One or more processor readable storage devices according to claim 26, wherein said step of automatically changing a size or position of said second interactive application comprises:

determining that a width of said first interactive application has changed;

changing a column width of a first display column that includes said first interactive application; and

changing widths of another interactive application in said first display column based on said column width of said first display column.

28. (currently amended) One or more processor readable storage devices according to claim 26, wherein:

said first interactive application and said second interactive application are displayed in a display area that is fixed in size.

29. (currently amended) One or more processor readable storage devices according to claim 26, wherein said step of automatically changing a size or position of said second interactive application comprises:

determining that a width of said first interactive application has changed;

changing a column width of a first display column that includes said first interactive application;

changing widths of one or more other interactive applications in said first display column based on said column width of said first display column;

changing a column width of a second display column that neighbors said first display column; and

changing widths of one or more interactive applications in said second display column based on said column width of said second display column.

30. (currently amended) One or more processor readable storage devices according to claim 26, wherein said steps of changing a size or position of said first interactive application and automatically changing a size or position of said second interactive application comprise:

determining that said first interactive application will overlap with one or more siblings;

determining that displays of said one or more siblings can be resized; and

automatically resizing said one or more siblings to maintain minimum separation.

31. (currently amended) One or more processor readable storage devices according to claim 26, wherein:

display of said first interactive application conflicts with display of said second interactive application if display of said first interactive application overlaps with display of said second

interactive application.

32. (currently amended) One or more processor readable storage devices according to claim 26, wherein:

display of said first interactive application conflicts with display of said second interactive application if display of said first interactive application overlaps with display of said second interactive application in a manner that is not allowed.

33. (currently amended) A method for managing software program applications, comprising:

receiving a request to change a display of a first software program application displayed in a display area;

determining how one or more displays for one or more other software program applications should change in response to changing said display of said first software program application in order to avoid conflict with said display of said first software program application;

changing said display of said first software program application; and

automatically changing said one or more displays for said one or more other software program applications that should change in response to changing said display of said first software program application in order to avoid conflict with said display of said first software program application.

34. (original) A method according to claim 33, wherein:

said step of receiving a request includes a user dragging a portion of a window.

35. (currently amended) A method according to claim 33, wherein:

said conflict to be avoided includes avoiding said display of said first software program application overlapping with said one or more displays for said one or more other software program applications that should change.

36. (currently amended) A method according to claim 33, wherein:

said conflict to be avoided includes avoiding said display of said first software program application overlapping, in a manner that is not allowed, with said one or more displays for said one or more other software program applications that should change.

37. (currently amended) A method according to claim 33, wherein:

said step of determining includes determining how to adjust said one or more displays for said one or more other software program applications to avoid said display of said first software program application overlapping with said one or more displays for said one or more other software program applications.

38. (currently amended) A method according to claim 33, further comprising:

determining whether said change to said display of said first software program application is allowed; and

denying said change to said display of said first software program application if said change to said display of said first software program application is not allowed.

39. (currently amended) A method according to claim 33, wherein:

said one or more other software program applications includes a second software program application; and

said step of changing said one or more displays for said one or more other software program applications includes determining how to change a display of said second software program application to avoid overlapping with said display of said first software program application, determining that said change to said display of said second software program application is not allowed and denying said change to said display of said first software program application.

40. (currently amended) A method according to claim 33, wherein:

said one or more other software program applications includes a second software program application; and

said step of changing said one or more displays for said one or more other software program applications includes determining how to change a display of said second software program

application to avoid overlapping with said display of said first software program application, determining that said change to said display of said second software program application causes said display of said second software program application to become too small and changing said display of said second software program application to an icon in response to determining that said change to said display of said second software program application causes said display of said second software program application to become too small.

41. (currently amended) A method according to claim 33, wherein:

said one or more other software program applications includes a second software program application;

said first software program application and said second software program application are run within a parent software program application;

said first software program application reports said requested change to said display of said first software program application to said software program parent application; and

said parent software program application performs said step of determining.

42. (currently amended) One or more processor readable storage devices having processor readable code embodied on said processor readable storage devices, said processor readable code for programming one or more processors to perform a method comprising:

receiving a request to change a display of a first software program application;

determining how one or more displays for one or more other software program applications should change in response to changing said display of said first software program application in order to avoid conflict with said display of said first software program application;

changing said display of said first software program application; and

automatically changing said one or more displays for said one or more other software program applications that should change in response to changing said display of said first software program application in order to avoid conflict with said display of said first software program application.

43. (currently amended) One or more processor readable storage devices according to

claim 42, wherein:

said step of determining includes determining how to adjust said one or more displays for said one or more other software program applications to avoid said display of said first software program application overlapping with said one or more displays for said one or more other software program applications.

44. (currently amended) One or more processor readable storage devices according to claim 42, wherein said method further comprises:

determining whether said change to said display of said first software program application is allowed; and

denying said change to said display of said first software program application if said change to said display of said first software program application is not allowed.

45. (currently amended) One or more processor readable storage devices according to claim 42, wherein:

said one or more other software program applications includes a second software program application; and

said step of changing said one or more displays for said one or more other software program applications includes determining how to change a display of said second software program application to avoid overlapping with said display of said first software program application, determining that said change to said display of said second software program application is not allowed and denying said change to said display of said first software program application.

46. (currently amended) An apparatus that can run software program applications, comprising:

means for receiving a request to change a display of a first software program application;

means for determining how one or more displays for one or more other software program applications should change in response to changing said display of said first software program application in order to avoid conflict with said display of said first software program application;

means for changing said display of said first software program application; and

means for changing said one or more displays for said one or more other software program applications that should change in response to changing said display of said software program first application in order to avoid conflict with said display of said first software program application.

47. (currently amended) An apparatus that can run software program applications, comprising:

an input device

a display device;

a storage device, said storage device stores code for said software program applications; and

a processing device in communication with said input device, said display device and said storage device, said processing device accesses said code in order to display said software program applications on said display device, said processing device receives a request to change a display of a first software program application, said processing device automatically changes a display of a second software program application in response to said request to change said display of said first software program application so that said first software program application does not conflict with said second software program application.

48. (currently amended) An apparatus according to claim 47, wherein:

said processing device determines whether said change to said display of said first software program application is allowed and does not change said display of said first software program application if said change to said display of said first software program application is not allowed.

49. (currently amended) An apparatus according to claim 47, wherein:

said processing device determines whether said change to said display of said second software program application is allowed and does not change said display of said first software program application if said change to said display of said second software program application is not allowed.

50. (currently amended) An apparatus according to claim 47, wherein:

said first software program application does not conflict with said second software program

application if display of said first software program application does not overlap with display of said second software program application.

51. (new) A method according to claim 1, further comprising the steps:
requesting content from a server via a network, said content includes said set of software program applications;
accessing said content in response to said step of requesting by retrieving a mark-up language description of said content and compiling said mark-up language description to produce executable code used to perform said step of displaying, said accessing is performed by said server; and
receiving said content from said server, said step of displaying is performed subsequent to said step of receiving said content.

52. (new) A method according to claim 1, wherein:
said step of displaying includes displaying said set of software program applications within a web browser.

53. (new) A method according to claim 26, wherein:
said step of displaying includes displaying said set of interactive applications within a web browser.